

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A refrigeration device (1, 101, 201), comprising:
a ~~main~~ refrigerant circuit (10, 110, 210) having a compressor (21), a heat source side heat exchanger (24) arranged to supply refrigerant passing through the heat source side heat exchanger to the compressor, and a user side heat exchanger (52) arranged to receive the refrigerant that is compressed in the compressor; and
a condenser an auxiliary refrigerant circuit (42, 242) arranged between the compressor of the main refrigerant circuit and the user side heat exchanger, and which can return the condenser being configured to condense a portion of the refrigerant that is compressed in the compressor and that is sent to the user side heat exchanger to the main refrigerant circuit after being condensed.
2. (Currently Amended) The refrigeration device (1, 101, 201) disclosed in according to claim 1, wherein further comprising
a check mechanism connected between the compressor and the user side heat exchanger to allow only the refrigerant to flow from the user side heat exchanger to the compressor, and
the condenser being connected to the auxiliary refrigerant circuit (42, 242) comprises via a branching circuit (42a) that serves propagates the flow of the refrigerant cut-off by the check mechanism to branch a portion of refrigerant compressed in from the compressor (21) and sent to the user side heat exchanger (52) from the main refrigerant circuit (10, 110, 210), a condenser (42b) that can condense the branched refrigerant, and a junction circuit (42c) that can return sends the condensed refrigerant condensed in the condenser to the main refrigerant circuit the user side heat exchanger.

3. (Currently Amended) The refrigeration device (1, 101, 201) disclosed in claim 2 according to claim 1, wherein further comprising
a bypass circuit that can bypass the condenser and propagate refrigerant from the compressor to the user side heat exchanger. the auxiliary refrigerant circuit (42, 242) further comprises an open/close mechanism (42d) that can propagate/cut-off the flow of refrigerant to the condenser (42b, 242b).

4. (Currently Amended) The refrigeration device (1, 101, 201) disclosed in claims 2 or 3 according to claim 1, wherein further comprising
a pressure detection mechanism (42e) is provided on the main refrigerant circuit (10, 110, 210) or the auxiliary refrigerant circuit (42, 242), and serves to detect the pressure of the refrigerant pressure that flows between the condenser (42b, 242b) and the user side heat exchanger (52).

5. (Currently Amended) The refrigeration device (1, 101, 201) disclosed in any of claims 2 to 4 according to claim 3, wherein further comprising
an open/close mechanism configured to adjust the amount of the refrigerant that flows into the condenser.

~~the auxiliary refrigerant circuit (42, 242) further comprises a bypass circuit (42f) that can bypass the condenser (42b, 242b) and propagate refrigerant from the compressor (21) to the user side heat exchanger (52); and~~

~~the main refrigerant circuit (10, 110, 210) further comprises a check mechanism (44) between a connector of the branching circuit (42a) of the main refrigerant circuit and a connector of the junction circuit (42c) of the main refrigerant circuit, and which allows only the flow of refrigerant from the user side heat exchanger to the compressor.~~

6. (Currently Amended) The refrigeration device (201) disclosed in any of claims 2 to 5 according to claim 1, wherein

~~the condenser (242b) is a heat exchanger that uses the refrigerant that flows inside the main refrigerant circuit (210) as a cooling source.~~

7. (Currently Amended) The refrigeration device (1, 101, 201) ~~disclosed in any of claims 1 to 6 according to claim 1~~, wherein

~~the refrigerant that flows in the main refrigerant circuit (10, 110, 210) and the auxiliary refrigerant circuit (42, 242)~~ has saturation pressure characteristics that are higher than those of R407C.

8. (New) The refrigeration device according to claim 2, further comprising a pressure detection mechanism is provided to detect the pressure of the refrigerant that flows between the condenser and the user side heat exchanger.

9. (New) The refrigeration device according to claim 2, further comprising a bypass circuit that can bypass the condenser and propagate refrigerant from the compressor to the user side heat exchanger.

10. (New) The refrigeration device according to claim 9, further comprising an open/close mechanism configured to adjust the amount of the refrigerant that flows into the condenser.

11. (New) The refrigeration device according to claim 2, wherein the condenser is a heat exchanger that uses the refrigerant that flows inside the refrigerant circuit as a cooling source.

12. (New) The refrigeration device according to claim 2, wherein the refrigerant has saturation pressure characteristics that are higher than those of R407C.

13. (New) The refrigeration device according to claim 4, further comprising a bypass circuit that can bypass the condenser and propagate refrigerant from the compressor to the user side heat exchanger.

14. (New) The refrigeration device according to claim 13, further comprising an open/close mechanism configured to adjust the amount of the refrigerant that flows into the condenser.

15. (New) The refrigeration device according to claim 4, wherein the condenser is a heat exchanger that uses the refrigerant that flows inside the refrigerant circuit as a cooling source.

16. (New) The refrigeration device according to claim 4, wherein the refrigerant has saturation pressure characteristics that are higher than those of R407C.

17. (New) The refrigeration device according to claim 8, further comprising a bypass circuit that can bypass the condenser and propagate refrigerant from the compressor to the user side heat exchanger.

18. (New) The refrigeration device according to claim 17, further comprising an open/close mechanism configured to adjust the amount of the refrigerant that flows into the condenser.

19. (New) The refrigeration device according to claim 18, wherein the condenser is a heat exchanger that uses the refrigerant that flows inside the refrigerant circuit as a cooling source.

20. (New) The refrigeration device according to claim 19, wherein the refrigerant has saturation pressure characteristics that are higher than those of R407C.